

PATENT ABSTRACTS OF JAPAN

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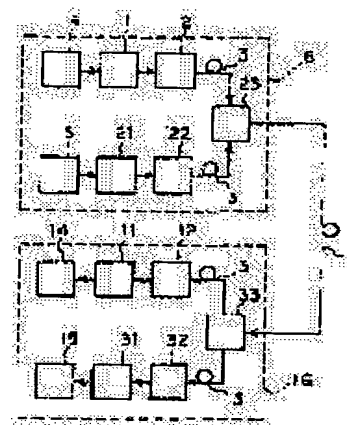
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(54) OPTICAL TRANSMITTER

(57)Abstract:

PURPOSE: To send an auxiliary signal independently of a speed of a master signal by allowing an optical multiplexer/demultiplexer to apply optical wavelength multiplex to the main signal and the auxiliary signal subjected to optical conversion and to send the resulting signal.

CONSTITUTION: A main signal of an optical pulse code modulation terminal station PCM 6 is converted into a coded mark inversion CMI signal. Then the electric main signal subjected to code conversion by an electrooptic conversion section 2 is converted into an optical signal and sent to an optical multiplexer demultiplexer 23 via an optical fiber 3. On the other hand, the auxiliary signal is converted into the CMI code the same as the main signal and the electric signal is converted into the optical signal and fed to the optical multiplexer demultiplexer 23 via the optical fiber 3. Thus, the main signal and the auxiliary signal are converted into the optical signal respectively in this way and subjected to optical wavelength multiplexing in the optical multiplexer demultiplexer 23 and the result is sent to an optical PCM terminal station 16. The main signal and the auxiliary signal are separated by above and they are sent respectively to interface sections 14, 15 via code conversion sections 11, 31.



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